



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)  
BOARD AND CODE ADMINISTRATION DIVISION

## NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY  
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208  
T (786) 315-2590 F (786) 315-2599

[www.miamidade.gov/economy](http://www.miamidade.gov/economy)

Asselin, Inc.

2870 Peachtree Rd. NW, #714

Atlanta, GA 30305

### SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

**DESCRIPTION:** Series "Manoir" Inswing Wood Casement Window – L.M.I.

**APPROVAL DOCUMENT:** Drawing No. 08-01856, titled "Manoir In-Swing Casement Single & Double", sheets 1 through 8 of 8, dated 11/26/12, with revision A dated 07/25/13, prepared by manufacturer, signed and sealed by Luis R. Lomas, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

**MISSILE IMPACT RATING:** Large and Small Missile Impact Resistant

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA# 13-0327.04 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by Manuel Pérez, P.E.



*Handwritten signature and date: 7/29/14*

NOA No. 14-0505.06  
Expiration Date: October 03, 2018  
Approval Date: August 07, 2014  
Page 1

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No **08-01856**, titled: "Manoir In-Swing Casement Single & Double", sheets 1 through 8 of 8, dated 11/26/12, with revision A dated 07/25/13, prepared by manufacturer, signed and sealed by Luis R. Lomas, P.E.  
*(Submitted under previous NOA# 13-0327.04)*

**B. TESTS**

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94  
3) Water Resistance Test, per FBC, TAS 202-94  
4) Large Missile Impact Test per FBC, TAS 201-94  
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94  
along with marked-up drawings and installation diagram of a series "Manoir" in-swing wood casement window (XX), prepared by Hurricane Test Laboratory, LLC, Test Report No. **HTL-G511-0204-11**, dated 02/28/11 to 03/03/11, signed and sealed by Vinu J. Abraham, P.E.  
*(Submitted under previous NOA# 13-0327.04)*

**C. CALCULATIONS**


1. Anchor calculations and structural analysis, complying with **FBC-2010**, dated 11/21/12, prepared, signed and sealed by Luis R. Lomas, P.E.  
*(Submitted under previous NOA# 13-0327.04)*
2. Glazing complies with **ASTM E1300-04**.

**D. QUALITY ASSURANCE**

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **12-1231.10** issued to **Eastman Chemical Company (MA)** for their "**Saflex Clear and Color Glass Interlayers**" dated 03/28/13, expiring on 05/21/16.

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 14-0505.06

Expiration Date: October 03, 2018  
Approval Date: August 07, 2014

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**F. STATEMENTS**

1. Statement letter of conformance, complying with **FBC-2010** and **FBC-5<sup>th</sup> Edition (2014)**, and of no financial interest, dated April 22, 2014, signed and sealed by Luis R. Lomas, P.E.
2. Laboratory compliance letter for Test Report No. **HTL G511-0204-11**, issued by Hurricane Test Laboratory, LLC, dated 04/20/12, signed and sealed by Vinu J. Abraham, P.E.  
*(Submitted under previous NOA# 13-0327.04)*
3. Distributor Agreement between Asselin, SAS, Thouars Ceder, France and Asselin, Inc., Atlanta, Georgia, USA, dated 03/11/13, signed by Francois Asselin.  
*(Submitted under previous NOA# 13-0327.04)*

**G. OTHERS**

1. Notice of Acceptance No. **13-0327.04**, issued to Asselin, Inc., for their Series "Manoir" Inswing Wood Casement Window – L.M.I.", approved on 10/03/13 and expiring on 10/03/18.

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 14-0505.06

Expiration Date: October 03, 2018  
Approval Date: August 07, 2014

NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING THE HVHZ.
2. WOOD FRAMING AND MASONRY OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. FRAMING AND MASONRY OPENING IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
3. 1X BUCK OVER MASONRY/CONCRETE IS OPTIONAL. WHERE 1X BUCK IS NOT USED DISSIMILAR MATERIALS MUST BE SEPARATED WITH APPROVED COATING OR MEMBRANE. SELECTION OF COATING OR MEMBRANE IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
4. ALLOWABLE STRESS INCREASE OF 1/3 WAS NOT USED IN THE DESIGN OF THE PRODUCT SHOWN HEREIN. WIND LOAD DURATION FACTOR  $C_d=1.6$  WAS USED FOR WOOD ANCHOR CALCULATIONS.
5. FRAME MATERIAL: WOOD MOABI (SPECIFIC GRAVITY  $G=0.87$ )
6. UNITS MUST BE GLAZED PER ASTM E1300-04, SEE SHEET 3 FOR GLASS OPTIONS.
7. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
8. SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM. SHIM WHERE SPACE OF 1/16" OR GREATER OCCURS. MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4".
9. FOR ANCHORING INTO WOOD FRAMING OR 2X BUCK USE #10 WOOD SCREWS WITH 1/2" MINIMUM EDGE DISTANCE AND SUFFICIENT LENGTH TO ACHIEVE A 1 3/8" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
10. FOR ANCHORING INTO MASONRY/CONCRETE USE 3/16" TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2 1/2" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
11. FOR ANCHORING INTO METAL STRUCTURE USE #10 SMS OR SELF DRILLING SCREWS WITH 3/4" MINIMUM EDGE DISTANCE AND SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM BEYOND STRUCTURE INTERIOR WALL. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
12. ALL FASTENERS TO BE CORROSION RESISTANT.
13. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BELOW:
  - A. WOOD - MINIMUM SPECIFIC GRAVITY OF  $G=0.42$
  - B. CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 3,192 PSI.
  - C. MASONRY - STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER).
  - D. METAL STRUCTURE: STEEL 18GA, 33KSI OR ALUMINUM 6063-T5 1/8" THICK MINIMUM

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER MD COMMENTS	07/25/13	R.L.

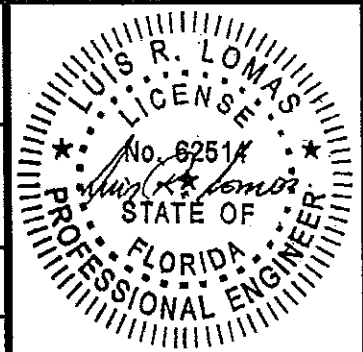
PRODUCT REVISED  
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Acceptance No. 14-0505-06  
Expiration Date Oct 3, 2018  
By *Manuel Pera*  
Miami Dade Product Control

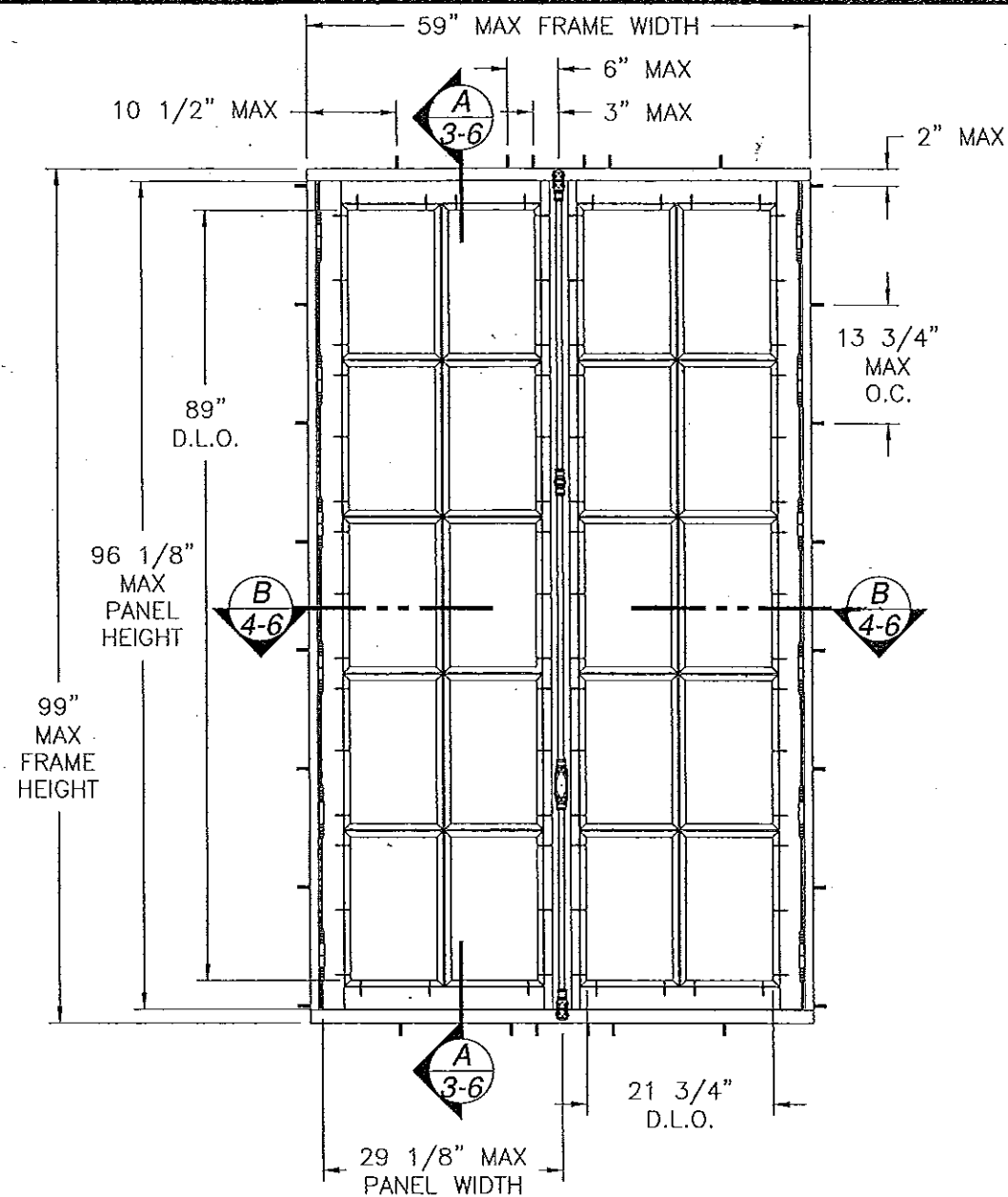
SIGNED: 07/29/2013

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SHEET NO.	DESCRIPTION
1	NOTES
2	ELEVATIONS
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7	HARDWARE
8	COMPONENTS & HARDWARE

Approved as complying with the  
Florida Building Code  
Date Oct 3, 2013  
NOA# 13-0327-04  
Miami Dade Product Control  
By *Manuel Pera*

<b>ASSELIN, INC.</b> 2870 PEACHTREE RD. NW, #714 ATLANTA, GA 30305		
MANOIR IN-SWING CASEMENT SINGLE & DOUBLE NOTES		
DRAWN: V.L.	DWG NO. 08-01856	REV A
SCALE NTS	DATE 11/26/12	SHEET 1 OF 8





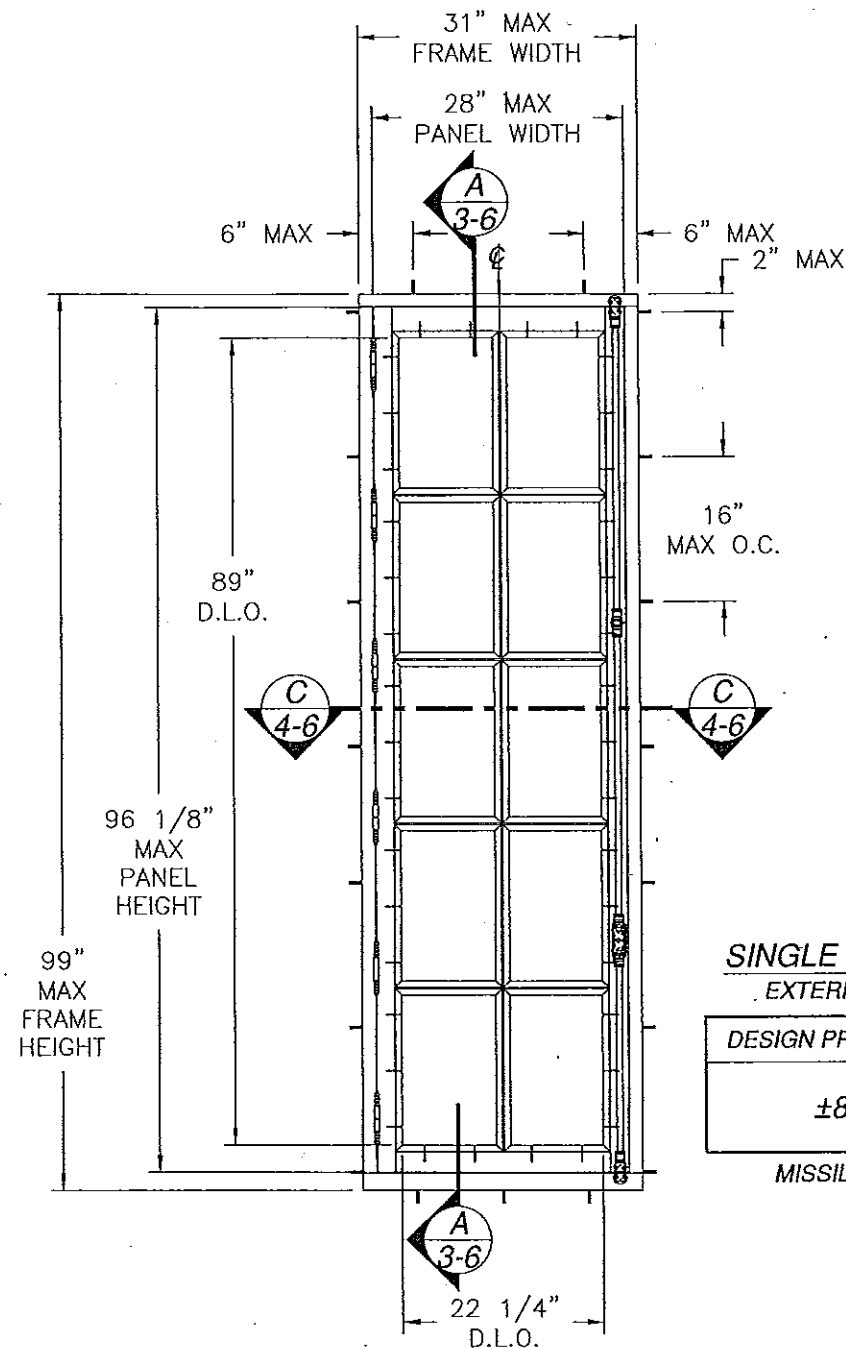
**DOUBLE INSWING CASEMENT WINDOW**  
EXTERIOR VIEW STRAP INSTALLATION

DESIGN PRESSURE RATING	IMPACT RATING
±60.0PSF	LARGE AND SMALL MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 4, AND HVHZ

**HARDWARE SCHEDULE**

- A. (2) RECESSED CREMONE TYPE 776 BY FERCO
- B (1) SURFACE MOUNTED CREMONE TYPE REMY GARNIER
- C (6) 5 1/2" LOUTRE HINGES BY BRIONNE



**SINGLE INSWING CASEMENT WINDOW**  
EXTERIOR VIEW NAILING FIN INSTALLATION

DESIGN PRESSURE RATING	IMPACT RATING
±80.0PSF	LARGE AND SMALL MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 4, AND HVHZ

REVISIONS			
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**WEEP HOLE LOCATIONS:**

- (4) 5/16" DIAMETER WEEP HOLES LOCATED 10" AND 19 1/2" FROM EACH END AT FRAME AND SASH. (DOUBLE VENT) SEE DETAIL A/3.
- (2) 5/16" DIAMETER WEEP HOLES LOCATED 8" FROM EACH END AT FRAME AND SASH (SINGLE VENT) SEE DETAIL A/3.

**HINGE LOCATION:**

- (6) HINGES PER JAMB, LOCATED 7 7/8" FROM FRAME BOTTOM AND 16 5/8" MAX O.C. THEREAFTER.

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By *Manuel Piza*  
Miami Dade Product Control

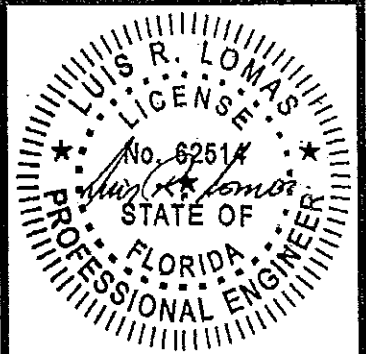
SIGNED: 07/29/2013

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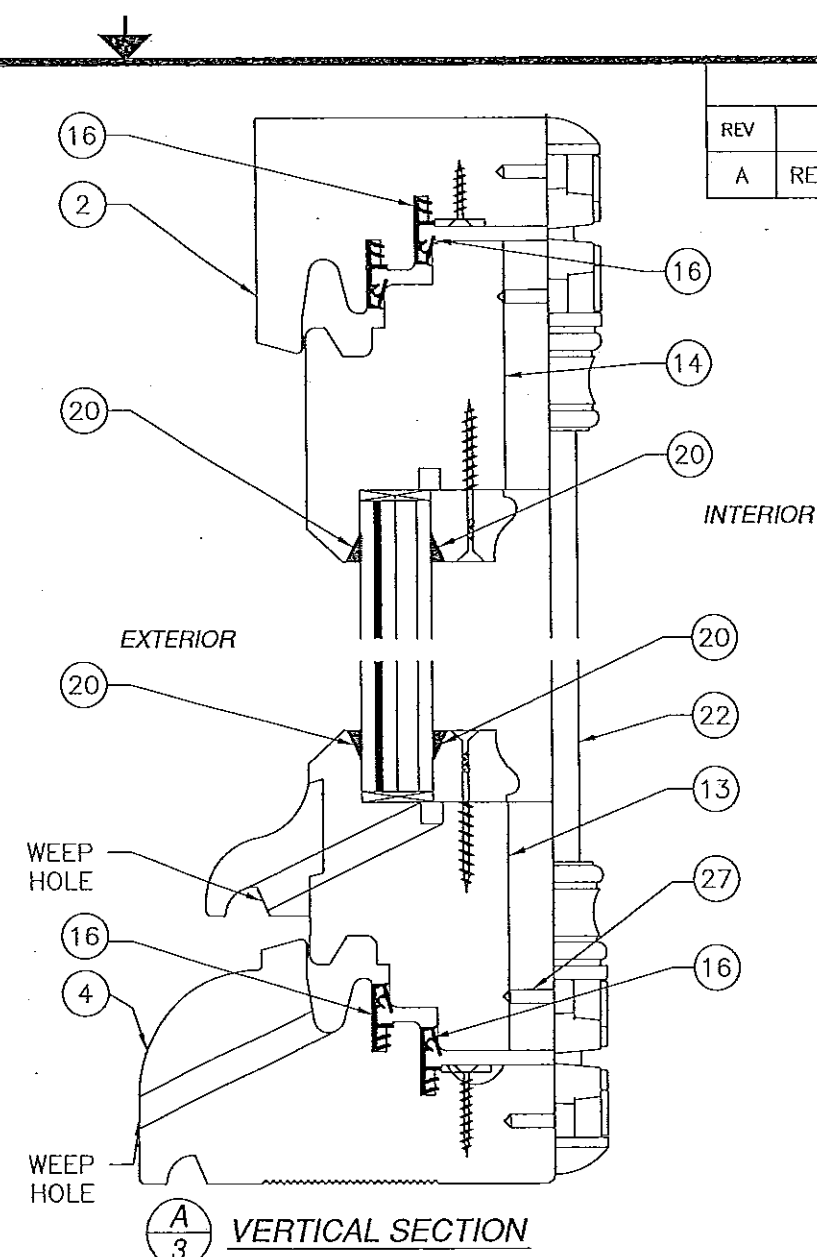
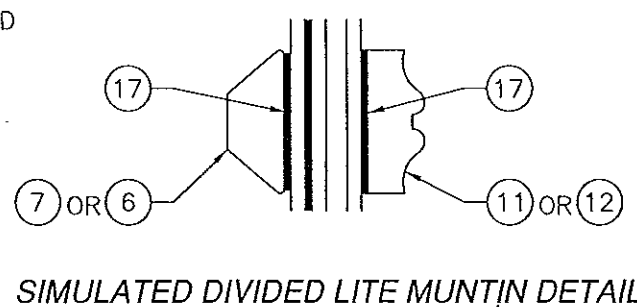
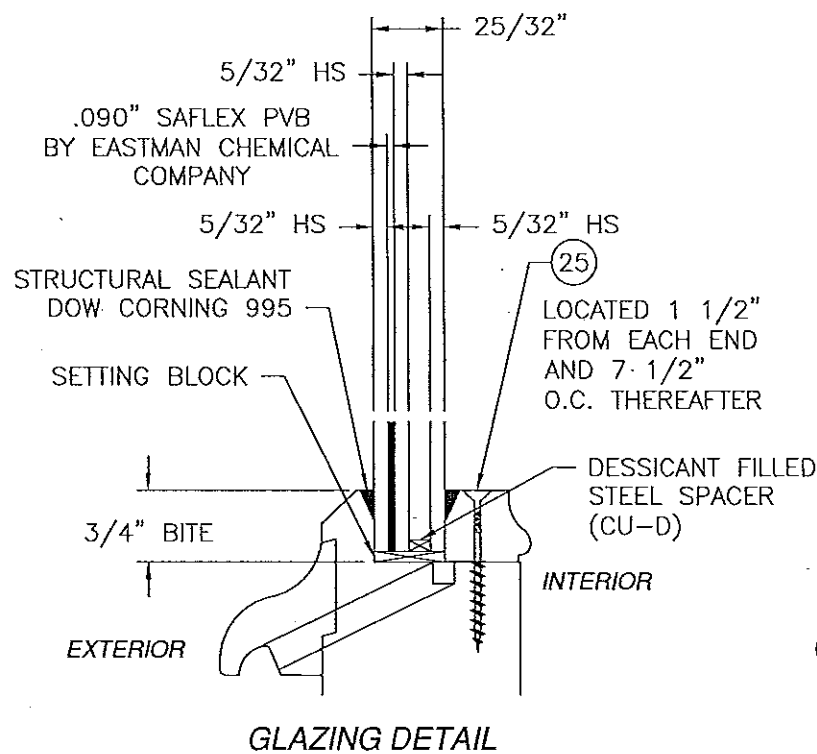
ASSELIN, INC.  
2870 PEACHTREE RD. NW, #714  
ATLANTA, GA 30305

MANOIR IN-SWING CASEMENT  
SINGLE & DOUBLE  
ELEVATIONS

DRAWN: V.L.	DWG NO. 08-01856	REV A
SCALE NTS	DATE 11/26/12	SHEET 2 OF 8



BILL OF MATERIALS				
ITEM NO.:	PART NUMBER	DESCRIPTION	MANUFACTURER	MATERIAL
1	LJ	LEFT JAMB	ASSELIN	WOOD, SEE NOTE 5
2	TR	TOP RAIL	ASSELIN	WOOD, SEE NOTE 5
3	RJ	RIGHT JAMB	ASSELIN	WOOD, SEE NOTE 5
4	BR	BOTTOM RAIL	ASSELIN	WOOD, SEE NOTE 5
5	SHJ	LEFT SASH HARDWARE JAMB	ASSELIN	WOOD, SEE NOTE 5
6	VMB1	VERTICAL MUNTIN BAR	ASSELIN	WOOD, SEE NOTE 5
7	HMB1	HORIZONTAL MUNTIN BAR	ASSELIN	WOOD, SEE NOTE 5
8	SJ	SASH JAMB (HALF ROUND TONGUE)	ASSELIN	WOOD, SEE NOTE 5
9	CJ	CENTRAL JAMB	ASSELIN	WOOD, SEE NOTE 5
10	SJCJ	SASH JAMB IN CENTRAL JAMB	ASSELIN	WOOD, SEE NOTE 5
11	VMB2	VERTICAL MUNTIN BAR	ASSELIN	WOOD, SEE NOTE 5
12	HMB2	HORIZONTAL MUNTIN BAR	ASSELIN	WOOD, SEE NOTE 5
13	SBR	SASH BOTTOM RAIL	ASSELIN	WOOD, SEE NOTE 5
14	STR	SASH TOP RAIL	ASSELIN	WOOD, SEE NOTE 5
15	RSHS	RIGHT SASH HARDWARE JAMB	ASSELIN	WOOD, SEE NOTE 5
16	F12 R4	PERIPHERAL JOINT	DUAL	EPDM 75 SHORE A
17	DSJ	DOUBLE SIDED JOINT		
18	TS6	TUBE JOINT	DUAL	EPDM 75 SHORE A
19	OP1 PRDD	JOINT	DUAL	
20	995	SEALANT	DOW CORNING	SILICONE
21	TYPE 776	RECESSED CREMONE	FERCO	STEEL
22	SMC	SURFACE MOUNTED CREMONE (FULL ROD 18MM)	REMY GARNIER	STEEL
23	LOUTRE	HINGE 5-1/2X2-3/16	BRIONNE	STEEL
24	#10X4-5/16	SCREW 5X110		STEEL
25	1/8X1-3/4	SCREW 4X45 (FOR GLAZING BEAD)		STEEL
26	1/8X1-3/16	SCREW 4X30 (FOR HINGES)		STEEL
27	1/8X1-3/8	SCREW 4-1/2X40 (FOR CREMONE LOCKS)		STEEL



REVISIONS			
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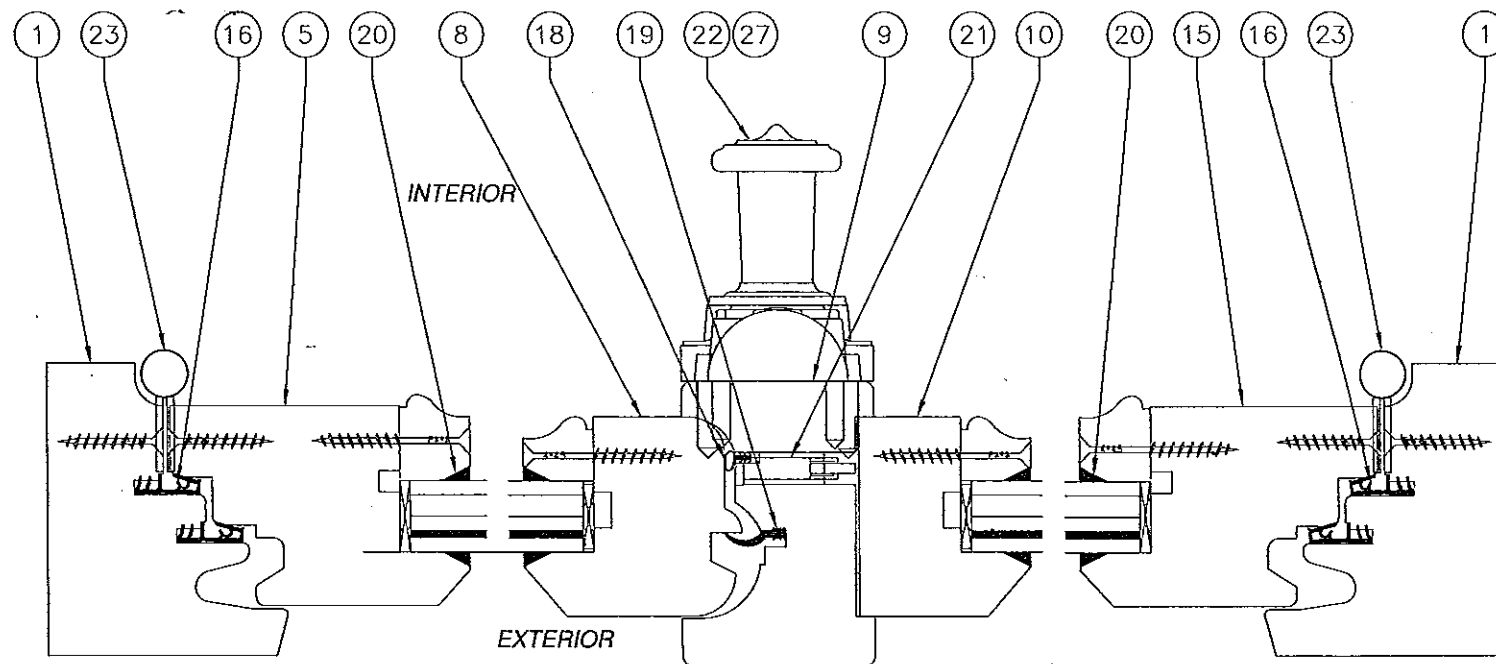
ASSELIN, INC.  
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 ATLANTA, GA 30305

MANOIR IN-SWING CASEMENT  
 SINGLE & DOUBLE  
 B.O.M. & CROSS SECTIONS

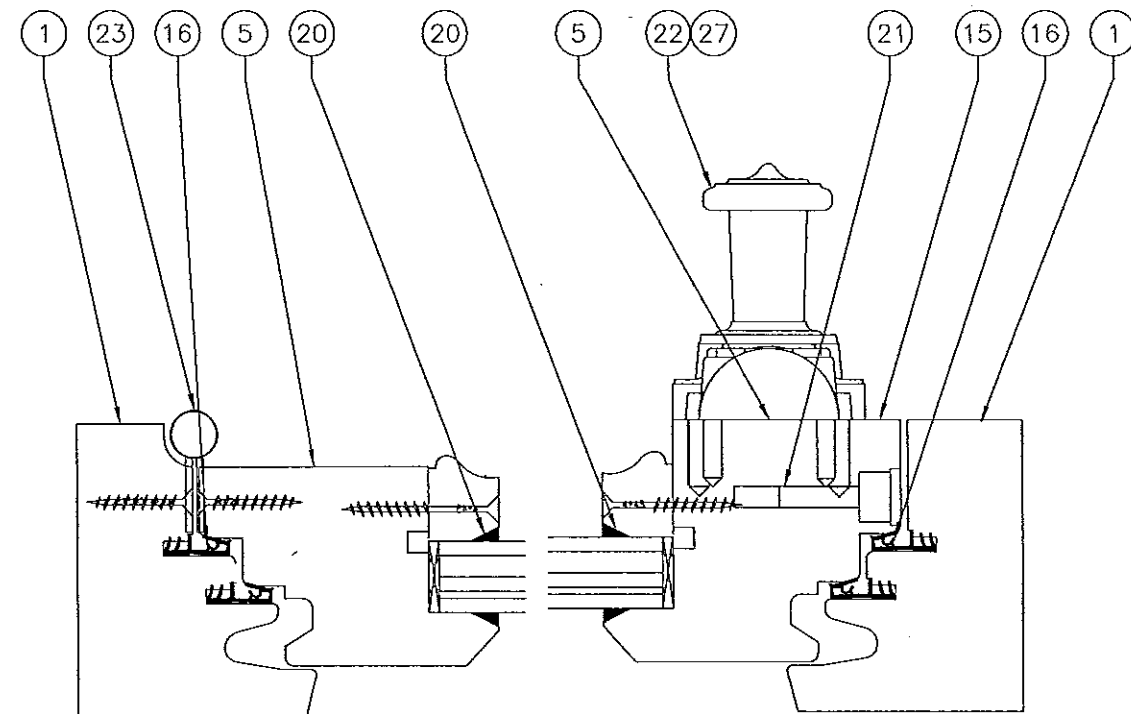
Drawn: V.L.  
 Scale: NTS  
 Date: 11/26/12  
 Sheet: 3 OF 8

DWG NO. 08-01856  
 REV A

LUIS R. LOMAS  
 LICENSE No. 62514  
 STATE OF FLORIDA  
 PROFESSIONAL ENGINEER



**B**  
4 DOUBLE VENT HORIZONTAL SECTION



**C**  
4 SINGLE VENT HORIZONTAL SECTION

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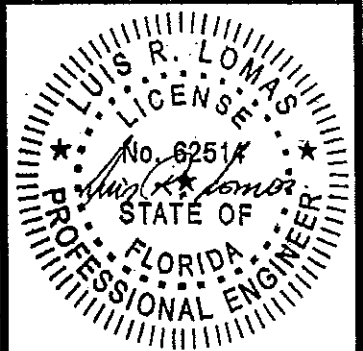
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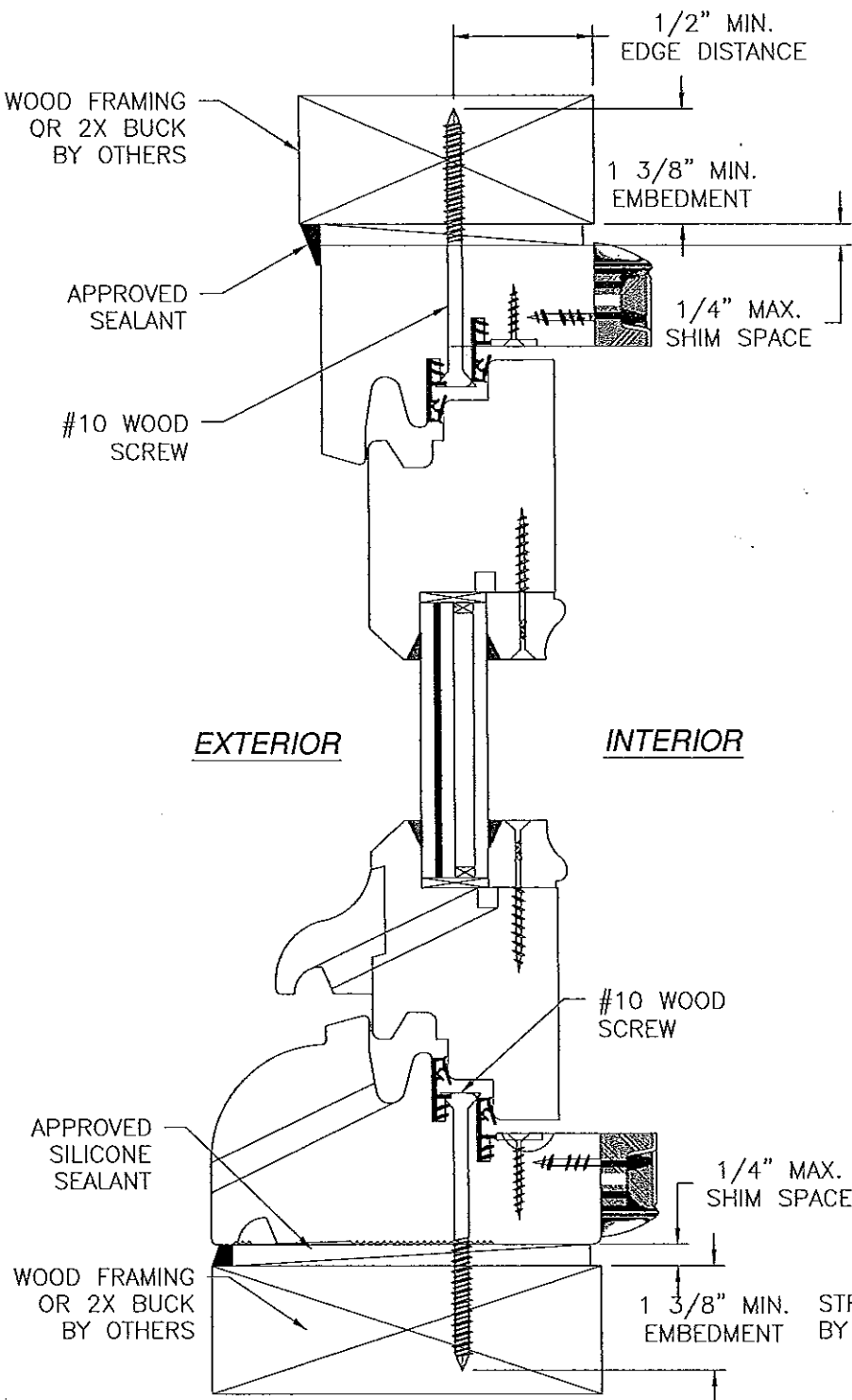
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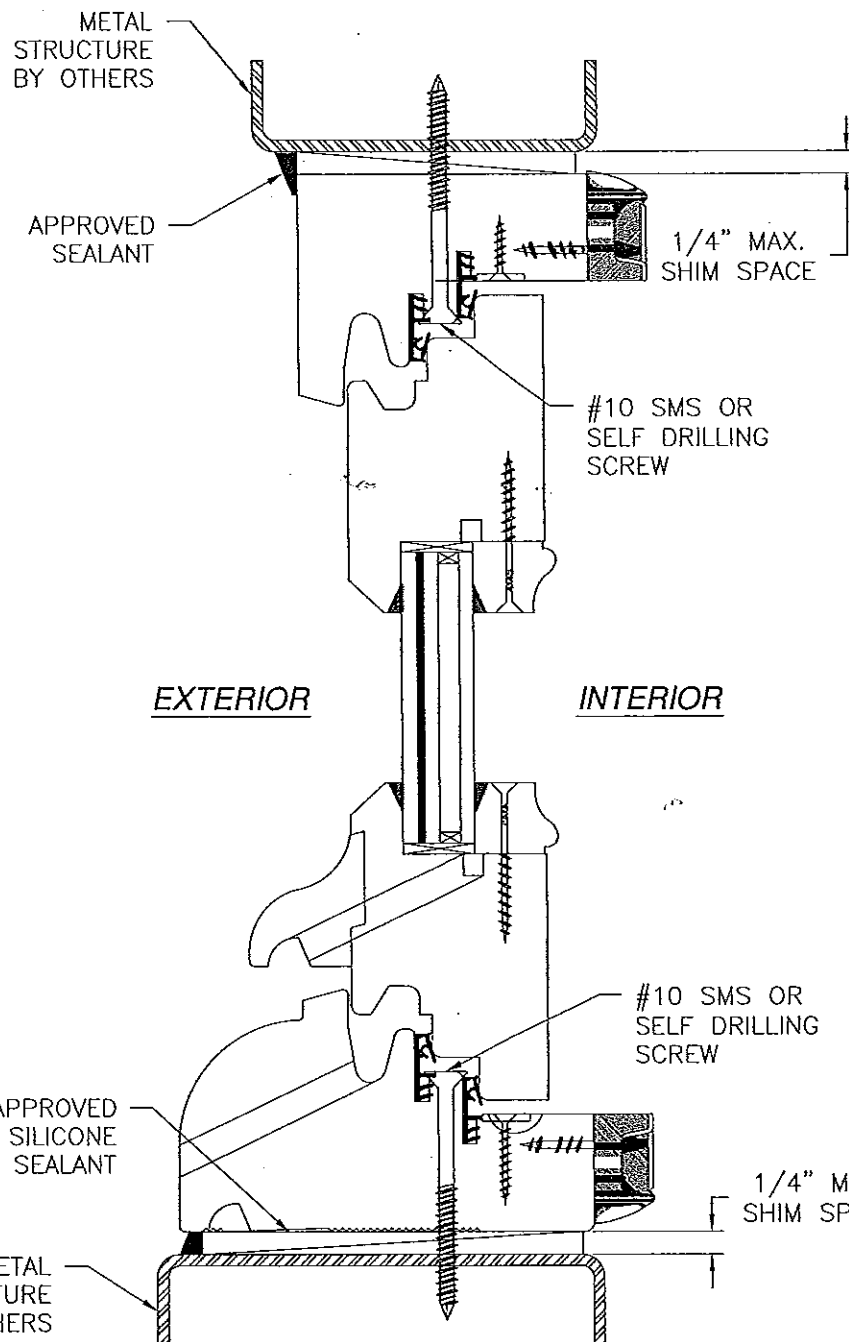
MANOIR IN-SWING CASEMENT  
SINGLE & DOUBLE  
CROSS SECTIONS

DRAWN: V.L.	DWG NO. 08-01856	REV A
SCALE NTS	DATE 11/26/12	SHEET 4 OF 8



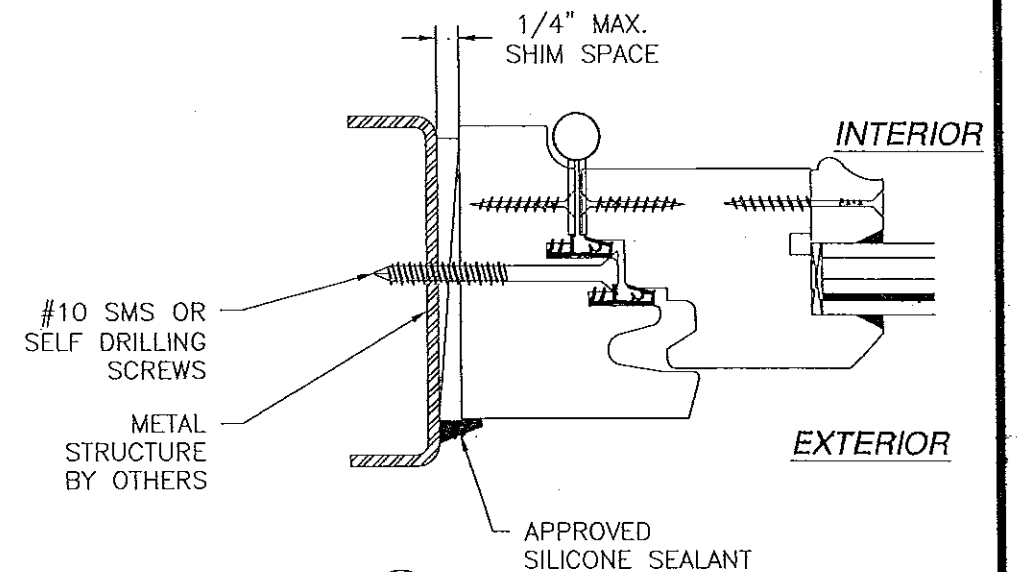


**A/5** VERTICAL CROSS SECTION  
WOOD FRAMING OR 2X BUCK INSTALLATION

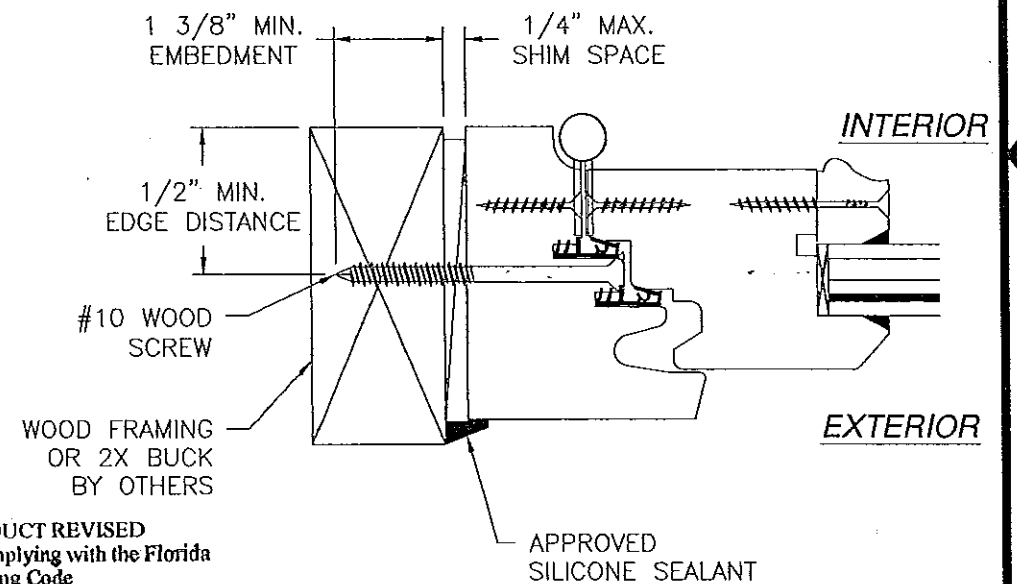


**A/5** VERTICAL CROSS SECTION  
METAL STRUCTURE INSTALLATION

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**B/5** JAMB INSTALLATION DETAIL  
METAL STRUCTURE INSTALLATION



**B/5** JAMB INSTALLATION DETAIL  
WOOD FRAMING OR 2X BUCK INSTALLATION

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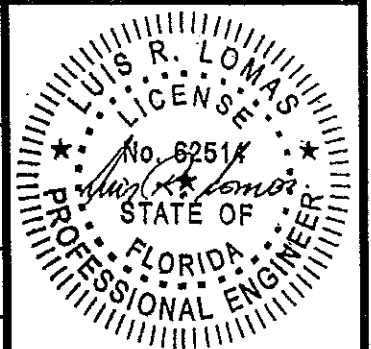
NOTE:  
INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT  
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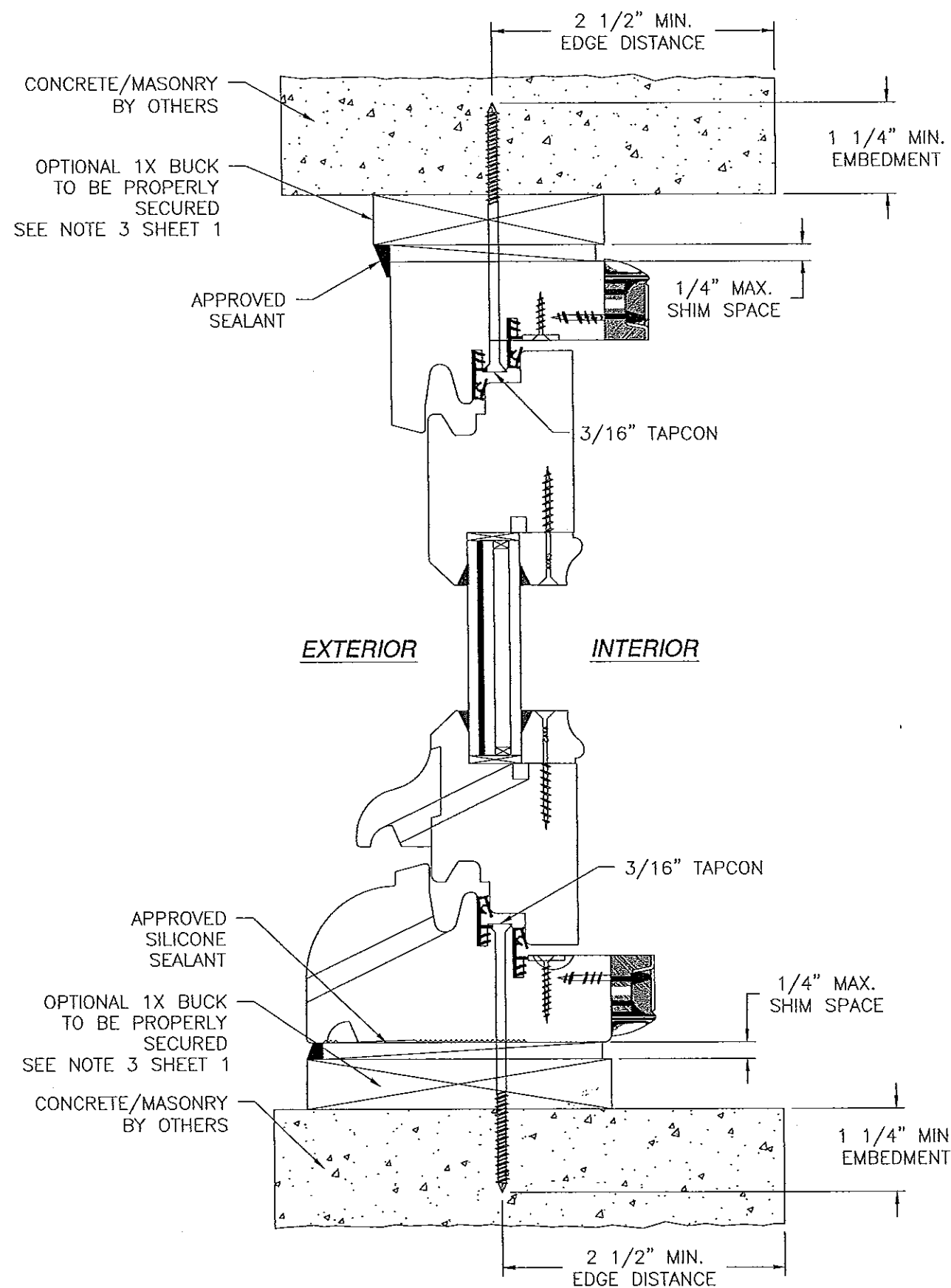
MANOIR IN-SWING CASEMENT  
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INSTALLATION DETAILS

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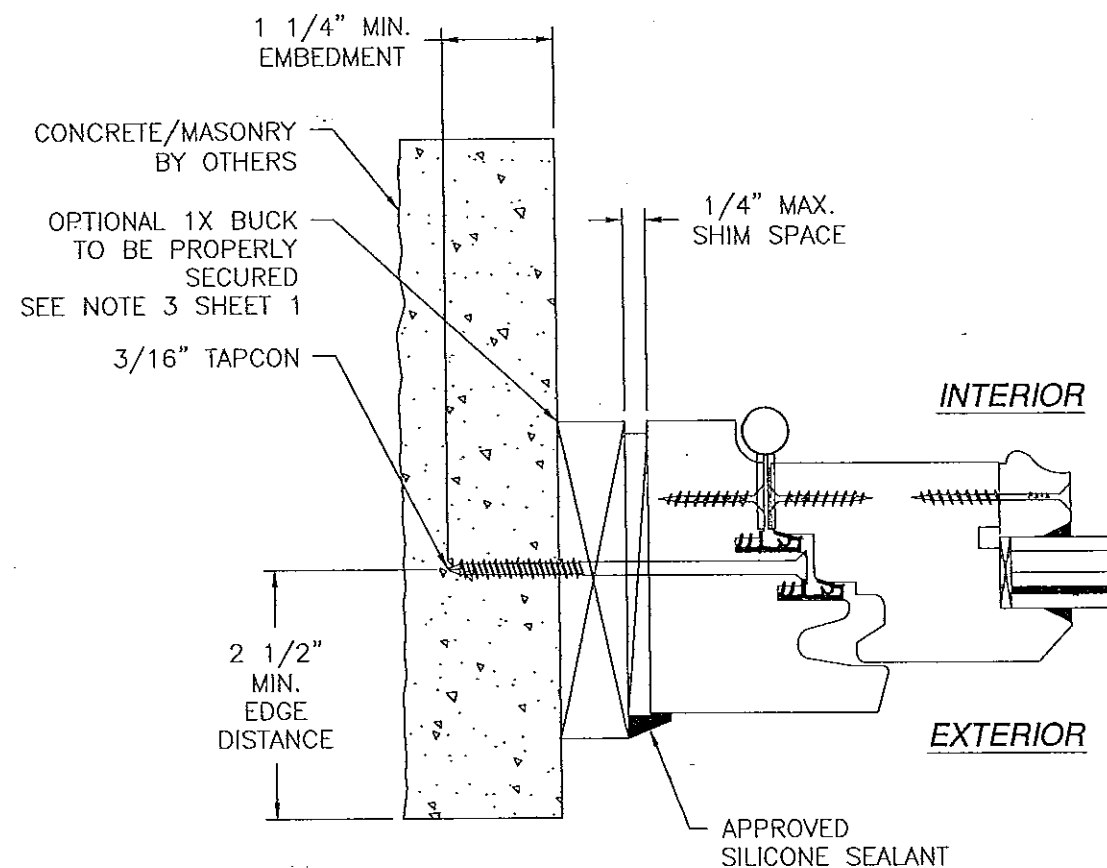




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**A**  
6 VERTICAL CROSS SECTION  
CONCRETE/MASONRY INSTALLATION



**B**  
6 JAMB INSTALLATION DETAIL  
CONCRETE/MASONRY INSTALLATION

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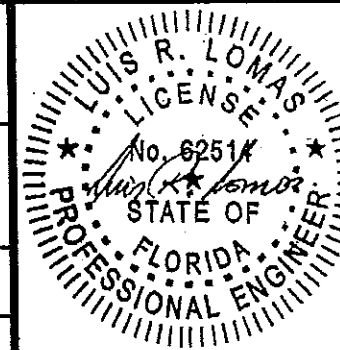
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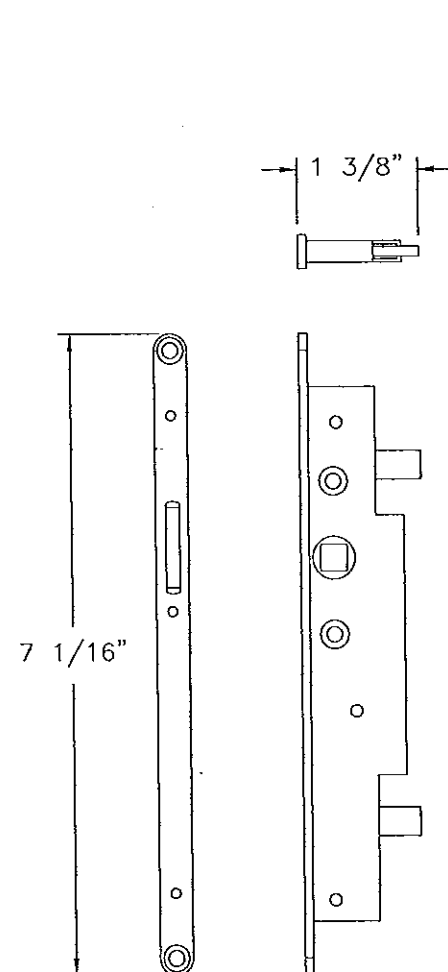
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MANOIR IN-SWING CASEMENT  
SINGLE & DOUBLE  
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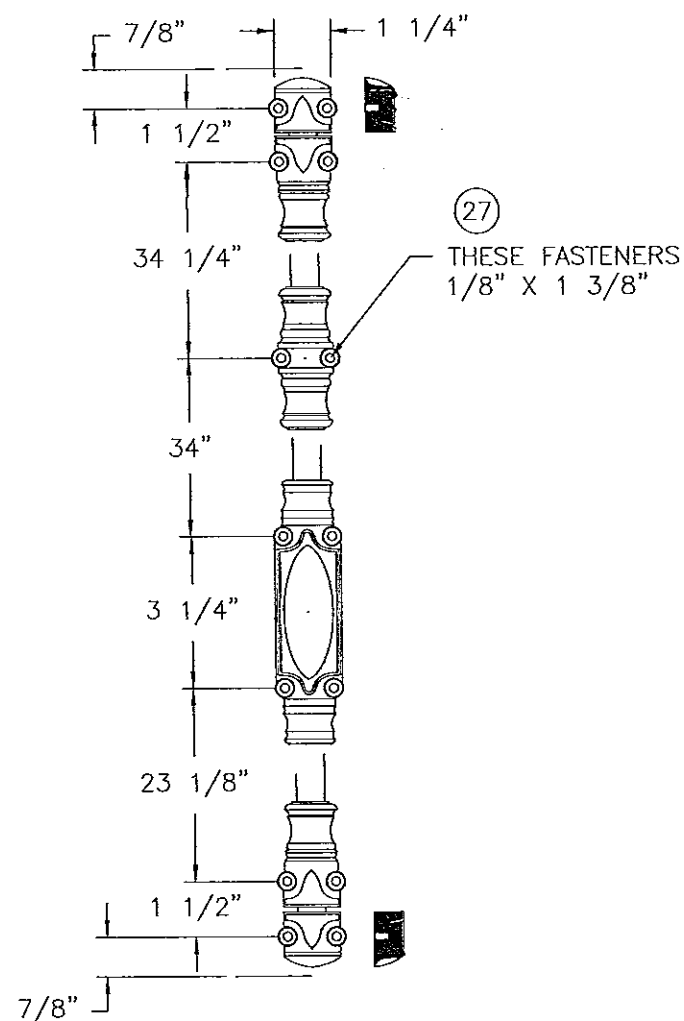
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SCALE NTS	DATE 11/26/12	SHEET 6 OF 8



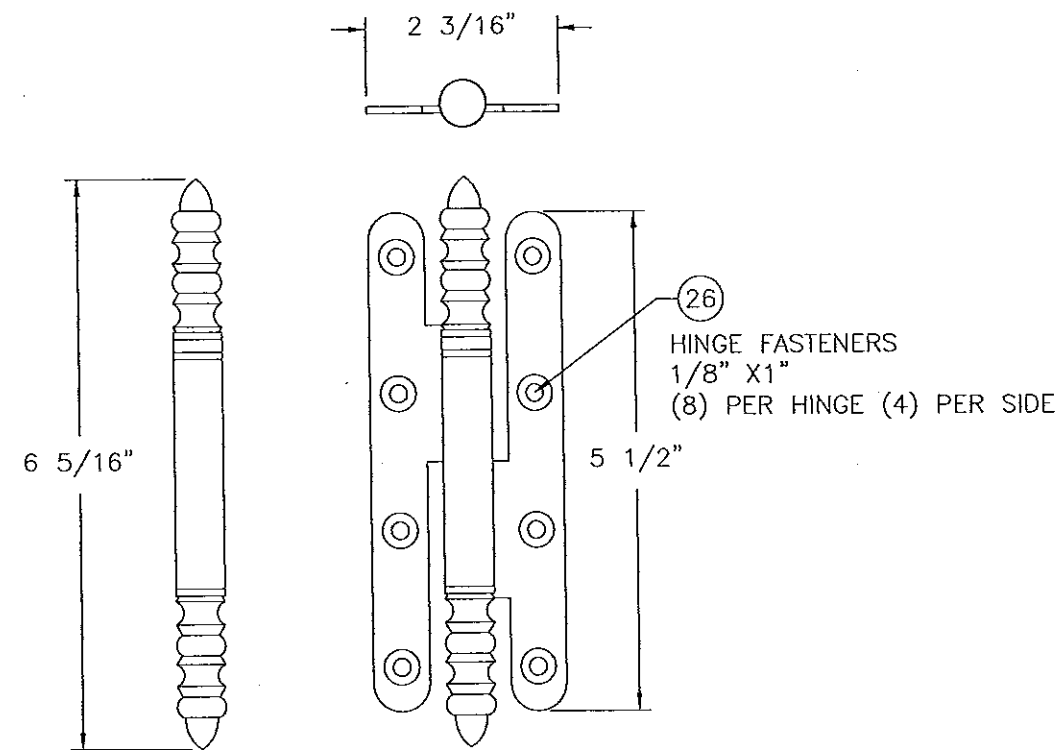
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(21) **RECESSED CREMONE**  
TYPE 776 FROM FERCO



(22) **SURFACE MOUNTED CREMONE**  
TYPE REMY GARNIER FULL ROD 18 MM



(23) **STEEL HINGE**  
TYPE 140 X 55" LOUTRE

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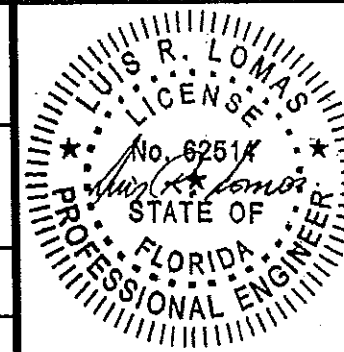
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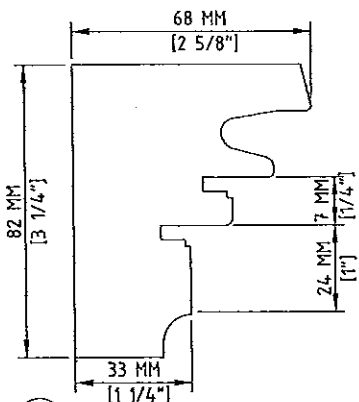
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MANOIR IN-SWING CASEMENT  
SINGLE & DOUBLE  
HARDWARE

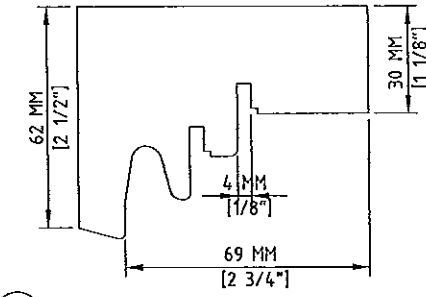
DRAWN: V.L.	DWG NO. 08-01856	REV A
SCALE NTS	DATE 11/26/12	SHEET 7 OF 8



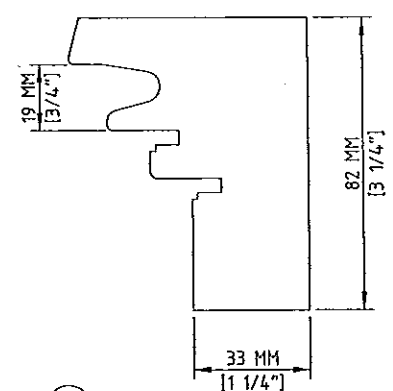
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER MD COMMENTS	07/25/13	R.L.



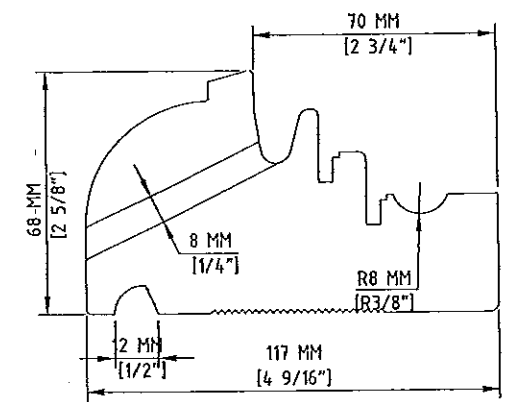
① **LEFT JAMB**  
WOOD SPECIFIC GRAVITY G=0.87



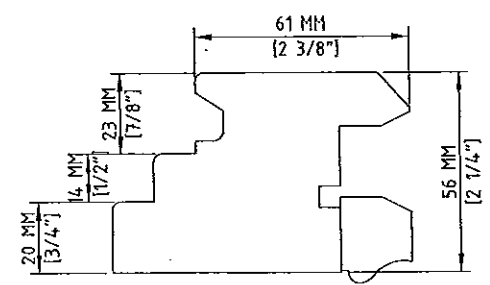
② **TOP RAIL**  
WOOD SPECIFIC GRAVITY G=0.87



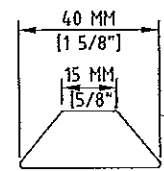
③ **RIGHT JAMB**  
WOOD SPECIFIC GRAVITY G=0.87



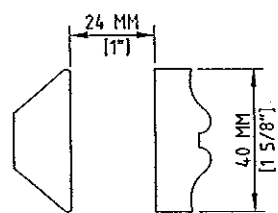
④ **BOTTOM RAIL**  
WOOD SPECIFIC GRAVITY G=0.87



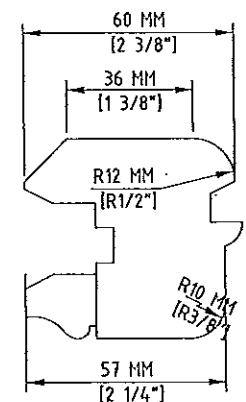
⑤ **LEFT SASH HARDWARE JAMB**  
WOOD SPECIFIC GRAVITY G=0.87



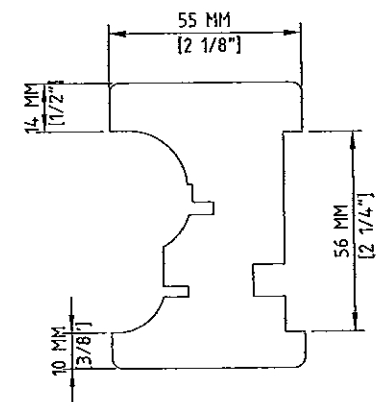
⑥ **VERTICAL MUNTIN BAR**  
WOOD SPECIFIC GRAVITY G=0.87



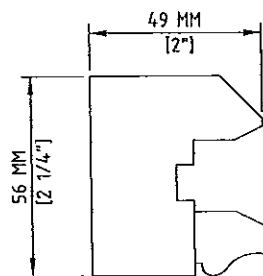
⑦ **HORIZONTAL MUNTIN BAR**  
WOOD SPECIFIC GRAVITY G=0.87



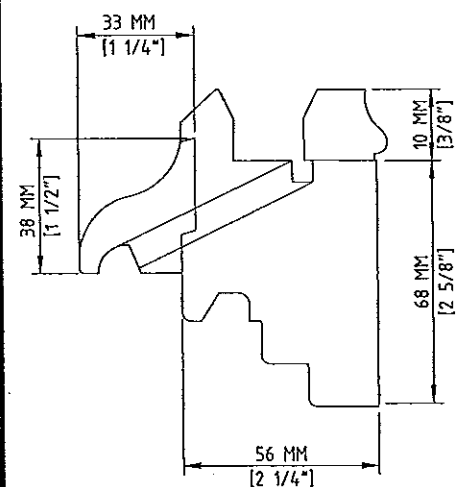
⑧ **SASH JAMB**  
WOOD SPECIFIC GRAVITY G=0.87



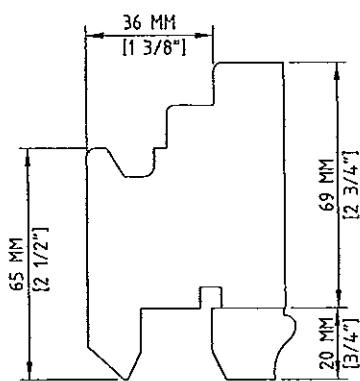
⑨ **CENTRAL JAMB**  
WOOD SPECIFIC GRAVITY G=0.46



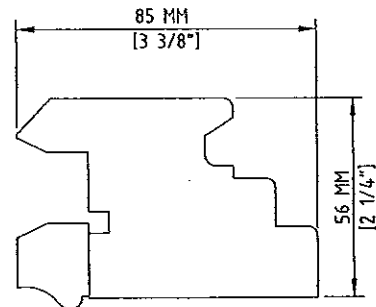
⑩ **SASH JAMB**  
WOOD SPECIFIC GRAVITY G=0.46



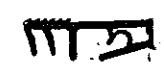
⑬ **SASH BOTTOM RAIL**  
WOOD SPECIFIC GRAVITY G=0.87



⑭ **SASH TOP RAIL**  
WOOD SPECIFIC GRAVITY G=0.87



⑮ **RIGHT SASH HARDWARE JAMB**  
WOOD SPECIFIC GRAVITY G=0.87



⑯ **PERIPHERAL JOINT**  
EPDM 75 DUROMETER SHORE A



⑱ **TUBE JOINT**  
EPDM 75 DUROMETER SHORE A



⑲ **JOINT**  
EPDM 75 DUROMETER SHORE A

PRODUCT REVISED  
complying with the Florida  
Building Code  
Acceptance No. 14-0505.06  
Expiration Date Oct. 3, 2018  
By *Manuel Perez*  
Miami Dade Product Control

SIGNED: 07/29/2013

Approved as complying with the Florida Building Code Date <u>Oct. 3, 2013</u> NOA# <u>13-0327.04</u> Miami Dade Product Control By <i>Manuel Perez</i>		<b>ASSELIN, INC.</b> 2870 PEACHTREE RD. NW, #714 ATLANTA, GA 30305		
MANOIR IN-SWING CASEMENT SINGLE & DOUBLE COMPONENTS		DRAWN: V.L. DWG NO. 08-01856 REV A		
SCALE NTS	DATE 11/26/12	SHEET 8 OF 8		